Analysis of the Reasons for Huijue Optical Cable Price Increase



Overview

This article summarizes the latest fiber optic price data as of March 9, 2026, along with the recent timeline of price changes and the factors behind the surge.

Key Takeaways

Huijue optical cable prices have risen due to a combination of raw material cost surges, energy price inflation, supply constraints, and booming demand from AI and data center deployments. Key Factors Driving Price Increases1. Raw Material Cost Escalation The production of optical fiber relies heavily on high-purity materials such as silicon tetrachloride, germanium tetrachloride, and specialty gases like helium and chlorine.

Prices for these inputs have surged by 30–150% due to energy inflation and reduced refining capacity in major producing regions, directly increasing the cost of fiber preforms, which account for over 70% of bare fiber costs. 2. Helium Shortages Helium is essential for cooling optical fibers during manufacturing.

Global helium supply has tightened due to production issues in the US and Russia, pushing helium prices up by over 200% and creating bottlenecks in fiber production. 3. Energy Price Inflation Drawing fiber requires melting preforms at temperatures around 2000°C.

Industrial electricity prices in Europe and parts of Asia remain 2–3 times higher than pre-2022 levels, significantly raising production costs. 4.



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Supply Chain and Geopolitical Constraints U

S tariffs on Chinese fiber, environmental regulations, and power rationing in key Chinese manufacturing hubs have reduced output. Logistics challenges, including specialized packaging and congested shipping routes, have extended lead times from 4–6 weeks to 12–20 weeks. 5.

Surging Demand The explosive growth of AI clusters, hyperscale data centers, 5G-Advanced deployments, and fiber-to-the-room (FTTR) networks has driven global fiber demand up by approximately 11% in 2025, outpacing supply expansion. High fiber count cables (144F, 288F, 432F) are particularly affected due to their complexity and material intensity. 6.

Market Dynamics Fiber production is capital-intensive and concentrated among a limited number of suppliers. As demand rises, suppliers gain stronger pricing power, and price fluctuations in preforms cascade down to cable manufacturers. Freight volatility and regional trade policies further amplify cost pressures.

Summary

The price increase of Huijue optical cables is not due to a single factor but a confluence of structural, cyclical, and geopolitical influences. Rising raw material and energy costs, helium shortages, supply chain disruptions, and unprecedented demand from AI and data center expansion collectively contribute to the current surge in optical cable prices.

Article Content

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The dramatic surge in fiber optic cable prices from late 2025 into early 2026 is primarily driven by the explosive and sustained demand from military drone applications, particularly fiber

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This article summarizes the latest fiber optic price data as of March 9, 2026, along with the recent timeline of price changes and the factors behind the surge.

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Why Fiber Optic Prices Are Rising in 2026

1. Core Drivers Behind Fiber Optic Price Increases 1.1 Rising Raw Material Costs The primary cost component in fiber optic cable manufacturing is preform material. Increased demand for ultra-low

In-Depth Analysis of Fiber Optic Price Fluctuations: New

In 2026, the global optical fiber market experienced a new round of price fluctuations, with some optical fiber products reaching near seven-year

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Optical Fiber Cable Market Size, Share, and Trends Analysis 2030

The global Optical Fiber Cable market size was estimated at USD 5,896.39 Million in 2022 and is estimated to grow at a CAGR of 12.20% from 2023 to 2030.

Why Fiber Optic Prices Exploded from Early 2026

Conclusion: Navigating the 2025–2026 Fiber Price Crisis The dramatic surge in fiber optic cable prices from late 2025 into early 2026 is primarily driven by the explosive and sustained

Fiber Optic Cable Market Size, Forecasts Report 2026-2035

Fiber Optic Cable Market Size The fiber optic cable market was valued at USD 14.6 billion in 2025. The market is expected to grow from USD 15.7 billion in 2026 to USD 23.8 billion in 2031 & USD 35.6

Why Fibre Optic Prices Have Increased in 2026

If you have priced fibre optic cable in the last six months and been surprised by what you found, you are not alone. From late 2025 into 2026, global

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